

XONITE® Diamond sheet (for Ceramics and hard composites)

XONITE® Diamond sheet is developed to achieve excellent surface finishing process. A highly qualified Xonite® Diamond sheet can be used for lapping, polishing and precision grinding with wet or dry condition. It's various diamond grades & micro patterns get the fine surface more easily.



Key Features

- High quality surface shaping
- Excellent Performance
- Very fine finishing work
- Easy shaping for various tools
- Finishing for hard ceramics and composites

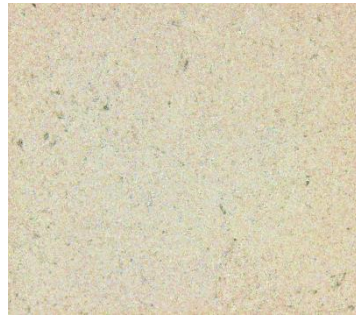
Performance (Surface morphology, 3D Laser microscope image)

Before grinding (x50)



| | Ra(μm) | Rz(μm) |
|---------|--------|--------|
| Initial | 0.562 | 4.973 |

After grinding (x50)



| | Ra(μm) | Rz(μm) |
|-------|--------|--------|
| After | 0.015 | 0.15 |

Other product (x10)



| | Ra(μm) | Rz(μm) |
|-------|--------|--------|
| After | 0.03 | 0.33 |

Diamond sheet (x10)



| | Ra(μm) | Rz(μm) |
|-------|--------|--------|
| After | 0.015 | 0.15 |

XDS series

| XDS-P60 series | XDS-P60-C1 | XDS-P60-C2 | XDS-P60-C3 | XDS-P60-C5 | XDS-P60-C8 |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Abrasive / Size | Diamond / 1um | Diamond / 2um | Diamond / 3um | Diamond / 5um | Diamond / 8um |
| Color | Dark gray | Dark gray | Dark gray | Dark gray | Dark gray |
| Application | Polishing / Finishing | Polishing / Finishing | Polishing / Finishing | Polishing / Finishing | Polishing / Finishing |

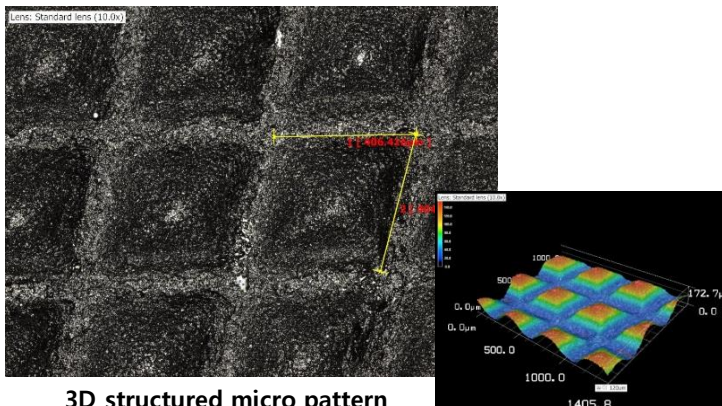
| XDS-P2 series | XDS-P2-C10 | XDS-P2-C15 | XDS-P2-C20 | XDS-P2-C25 | XPS-P60-C30 |
|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Abrasive / Size | Diamond / 10um | Diamond / 15um | Diamond / 20um | Diamond / 25um | Diamond / 30um |
| Color | Dark gray | Dark gray | Dark gray | Dark gray | Dark gray |
| Application | Lapping / polishing | Lapping / polishing | Lapping / Polishing | Lapping / Polishing | Lapping / Polishing |

* TPU, PET, EVA, PSA type available

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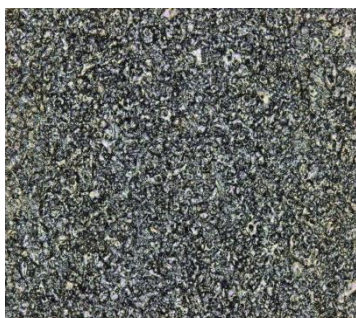
3D structured micro pattern

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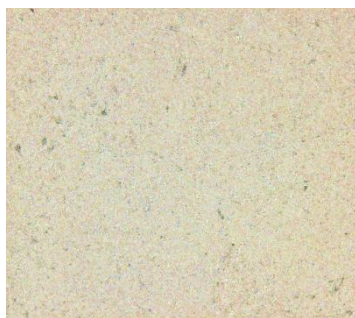
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